## Radar Scientist

Flight ID_2	20131004I4 Storm Karen Radar Scientist Lisa Bucc									
on his/her a	board radar scientist is responsible for data collection from all radar systems assigned aircraft. Detailed operational procedures and checklists are contained ator's manual. General supplementary procedures follow. (Check off or initial.)									
Preflight										
1.	Determine status of equipment and report results to lead project scientist (LPS).									
2.	Confirm mission and pattern selection from the LPS.									
3.	Select the operational mode for radar system(s) after consultation with the LPS.									
4.	Complete the appropriate preflight check list.									
In-Flight										
1.	Monitor the Tail Doppler Radar function regularly, using the realtime TDR display, to make sure the Doppler radar is scanning and working normally.									
2.	Maintain the Doppler Wind Parameter form as well as a written commentary in the Radar Event Log of event times, such as ending and restarting of radar recording. Also document any equipment problems or changes in R/T, INE, or signal status.									
Post flight	University of the Control of the Con									
1.	Complete the summary checklist and all other appropriate forms.									
2.	Download all Tail (TA) radar data files to thumb drive.									
3.	Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.									
4.	Debrief at the base of operations.									
5.	Determine the status of future missions and notify HFP Director as to where you can be contacted.									

## **HRD Radar Event Log**

Flight ID 20131004 I 1 Aircraft	43
Radar Scientist Lisa Bucci	Radar Technician

(Include down time and times of when recording ended and was restarted)

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**Doppler Wind parameters** 

Flight ID: 20131004 I 1				Doppler flight-leg notes (for use in automatic QC and analysis)				Scienti	Scientist: Lisa Bucci		
Leg Start Leg End		Storm Motion		Center Fix			Inbound	Outbound	Max Radius	Horz. Res (km)	Sent
HHMMSS	ннммсс	Degrees	Knots	Time HHMMSS	Latitude (Deg/Min)	Longitude (Deg/Min)	track	track	(km) Default = 245	Default = 5	(Y/N)
071900	081400	340	12	074932	24,9	-89,7	180	180			
081630	084500	70					45				
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